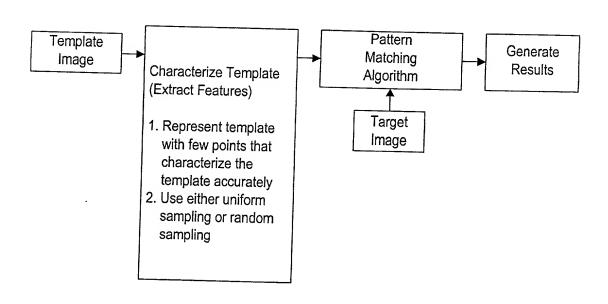


## PRIOR ART PATTERN MATCHING

FIG. 1



PRIOR ART PATTERN MATCHING WITH CHARACTERIZATION OF THE TEMPLATE IMAGE

FIG. 2

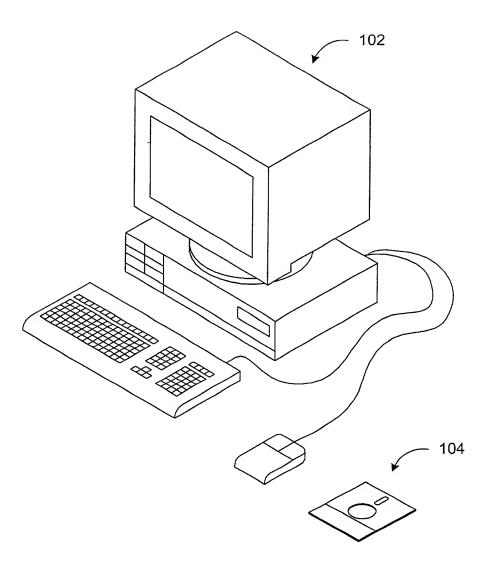


FIG. 3

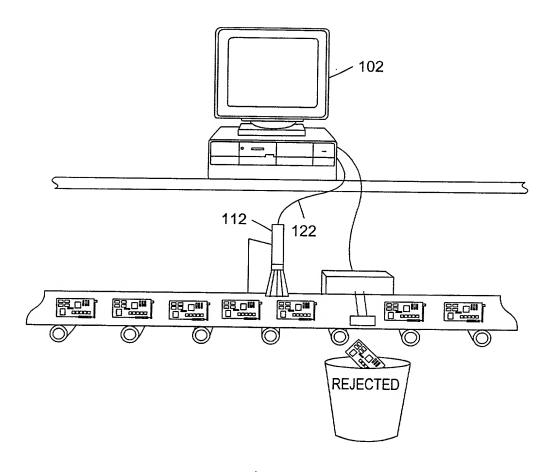


FIG. 4

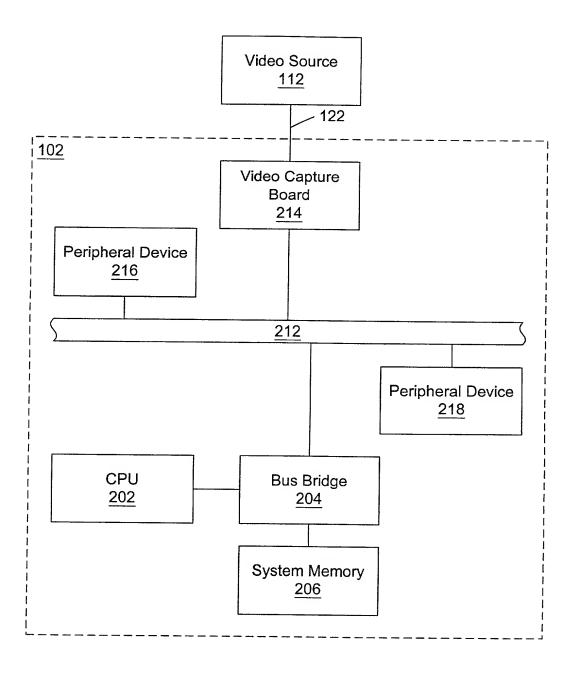


FIG. 5

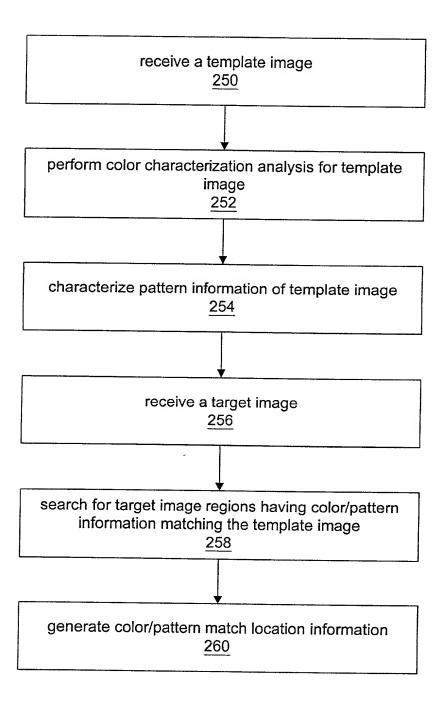


FIG. 6

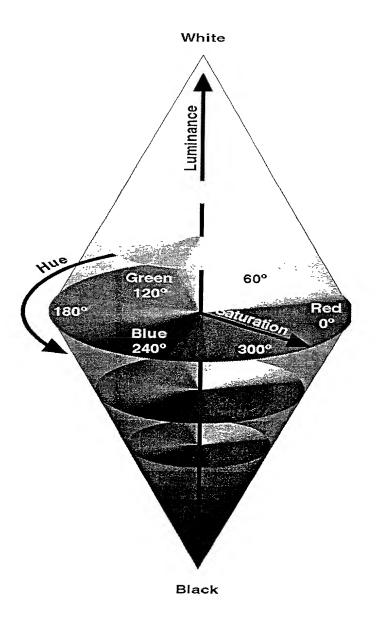


FIG. 7

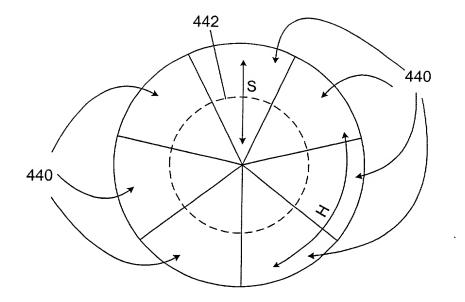


FIG. 8A

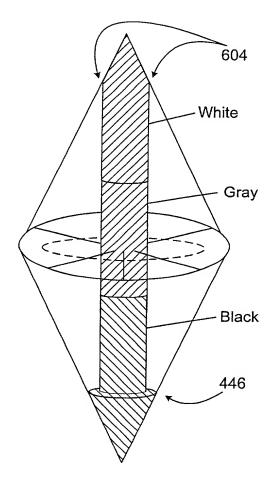


FIG. 8B

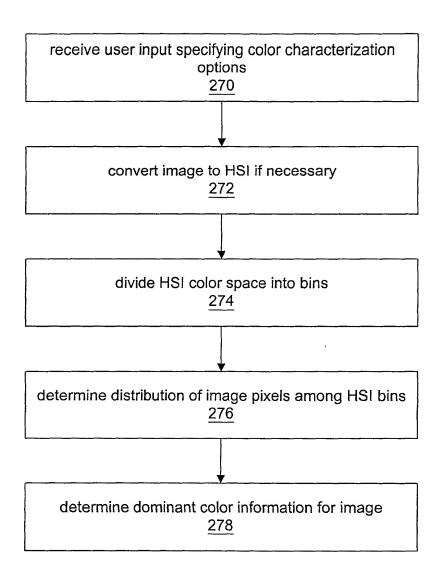


FIG. 9

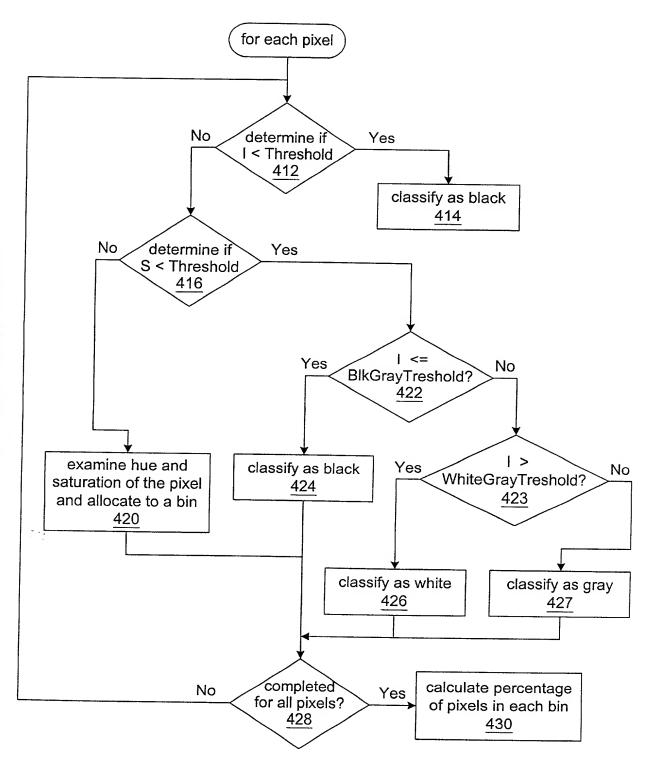


FIG. 10

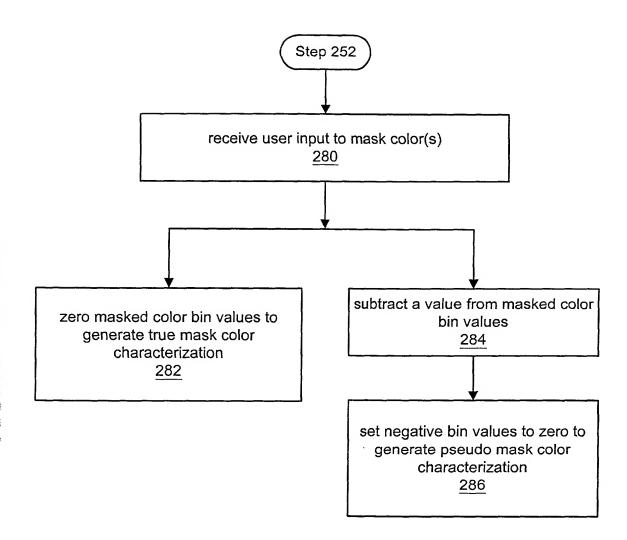


FIG. 11

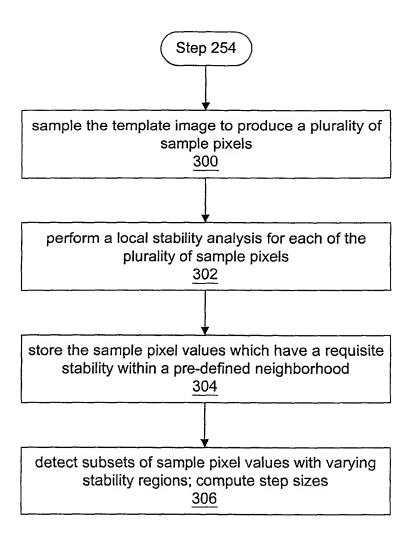


FIG. 12

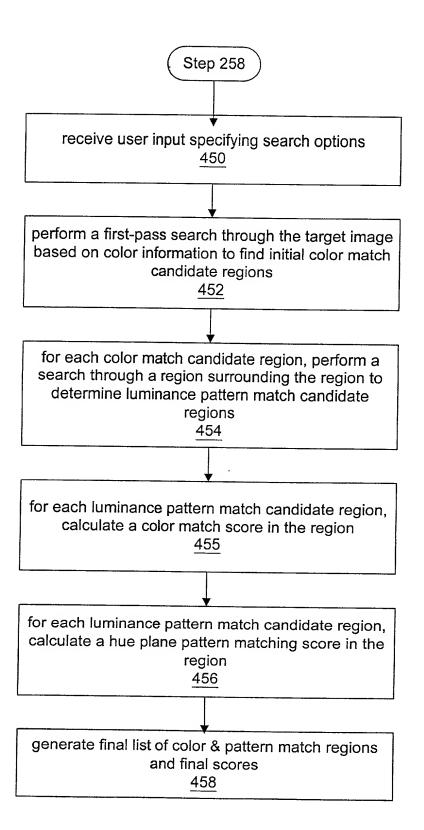


FIG. 13

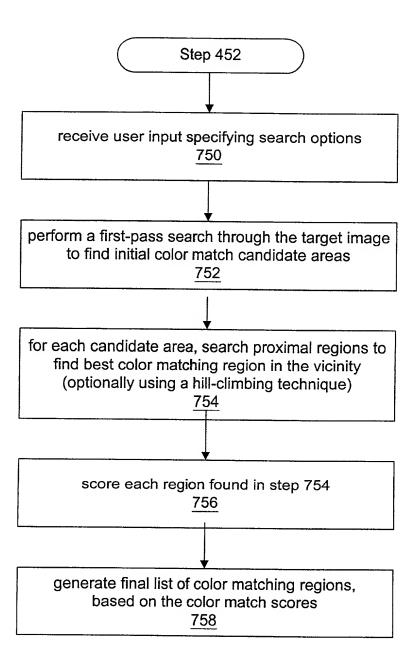


FIG. 14

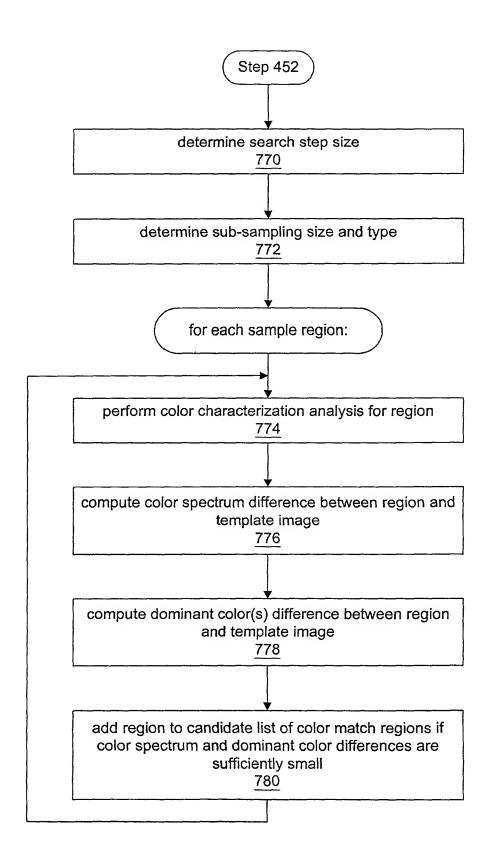
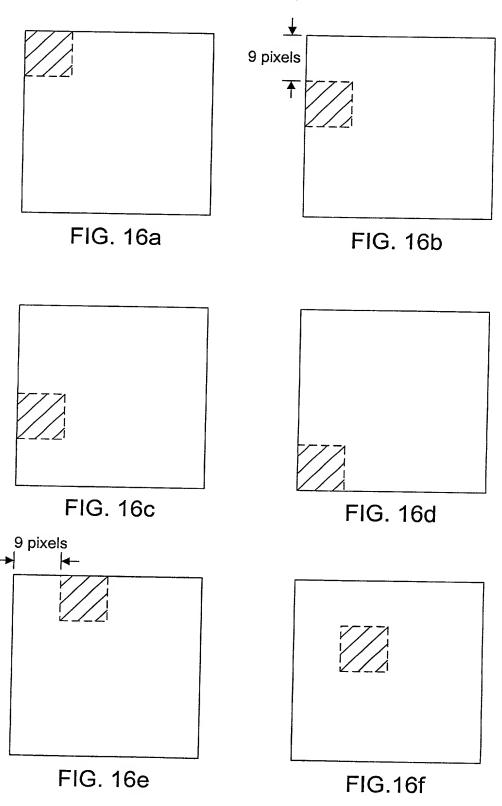


FIG. 15

## 9 x 9 Pixel Step Size



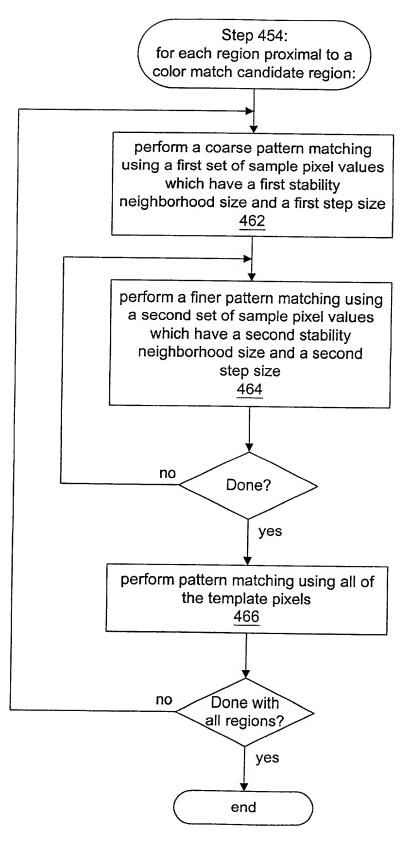


FIG. 17

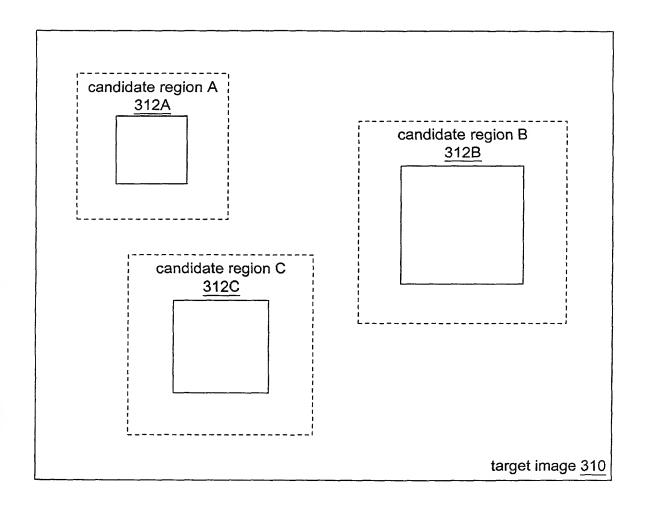


FIG. 18A

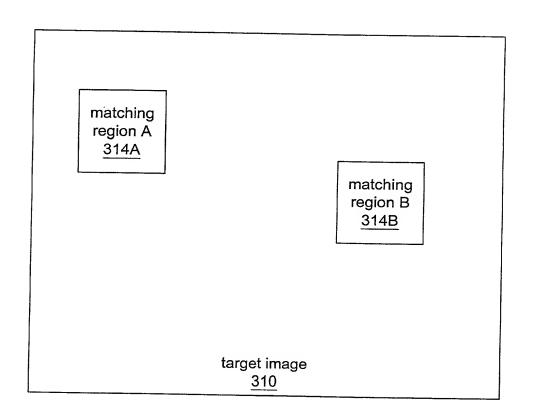


FIG. 18B

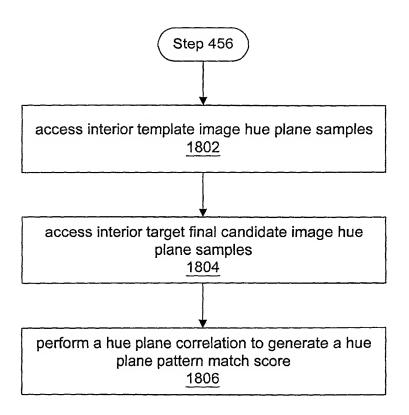
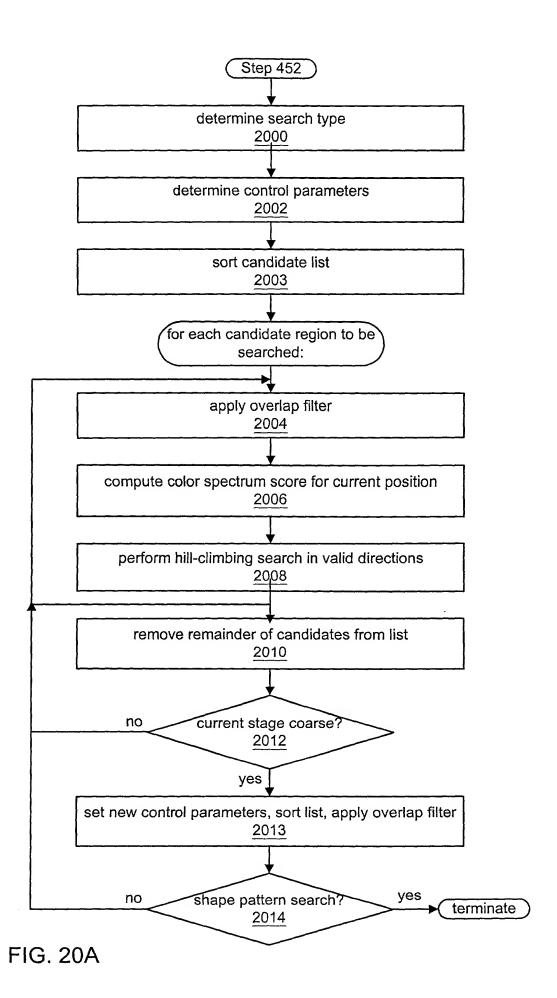


FIG. 19



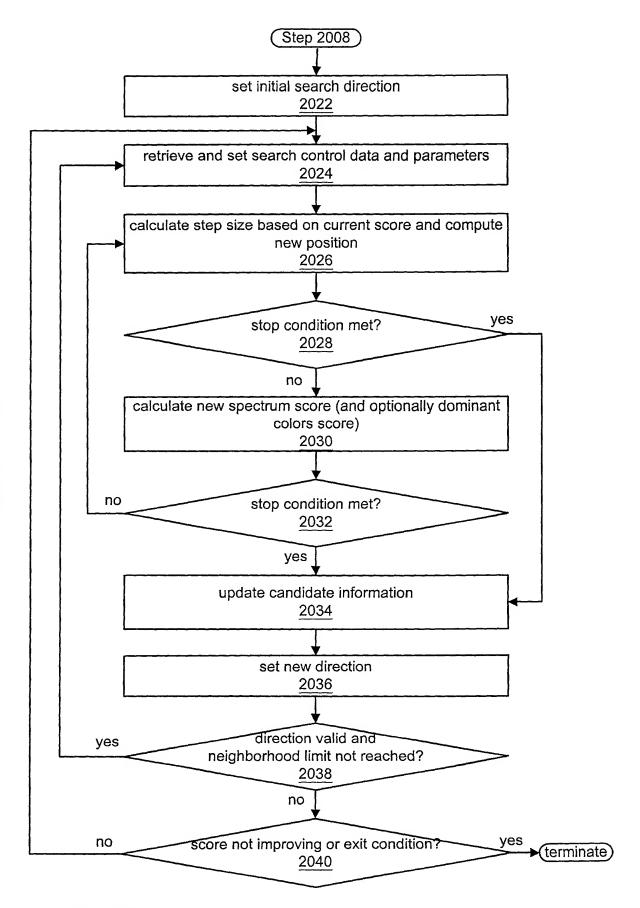


FIG. 20B

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FIG. 21

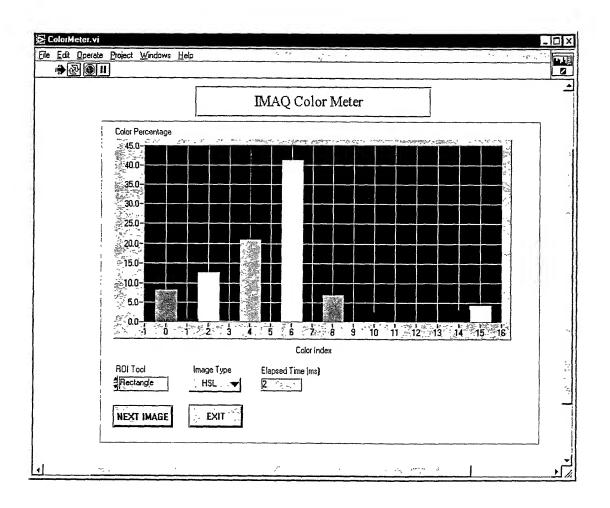


FIG. 22



FIG. 23